

WBS No: 1ECB  
Activity ID: 1ECB010000

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline Devl  
WBS Filter 1ECB  
Activity Filter \*

Starts In FY \*

WBS No:	1ECB	Title:	Misc. Construction Projects									
Activity ID:	1ECB010000	Description:	B371 Fire Alarms									
Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Construction	1.00	each	VQ	0	0	0	1,349,500	0	1,349,500	0	1,349,500
Total for Activity 1ECB010000:						0	0	1,349,500	0	1,349,500	0	1,349,500

**Line Item 1 - Construction**

BOE	<p>Vendor Name - K-H Construction Vendor Quote - Timberline estimate Quote Received by - Jim Hammond Date Received - 6/20/2000 Item being quoted - B371 PFSR Other Info - Availability - SEE Jim Hammond in T130H for estimate</p> <p>Have all fire alarm reporting through one alarm system back to Fire Dispatch (Simplex). - Alarm device disconnection from the Unity alarm system and the reconnection of alarm devices to a Simplex panel that is already installed in the building. These fire alarm devices include building fire telephones, flow switches, tank / pressure switches, temperature switches and several existing fire alarm panels (SD-068, Building 376, SD-001 POC-010, CO-002, GBO-002, GBO-004, GBO-005 and BGO-025). - The replacement of POC-003, POC-006, POC-002, POC-004 with a NFPA code compliant installation reporting directly to a Simplex panel already installed. POC-004 replacement would only have detectors installed in room 2128 and not the remaining area covered by this system. - The replacement of SD1A/2A with new detectors reporting directly to a Simplex panel. - Replacement of Glove-box Overheat panel GBO-001 with the detectors reporting directly to a Simplex panel already installed. The relocation of the GBO detectors in room 3305 from GBO-001 to GBO-002 that is not to be replaced. - Replacement of Glove-box Overheat panel GBO-003 with the detectors reporting directly to a Simplex panel already installed. The GBO detectors in room 3179 would be taken out of service and the building would remove the fire loading hazard from these glove boxes. - Replacement GBO-006 with the detectors reporting directly to a Simplex panel already installed. Several GBO detectors reporting to GBO-006 would be reconnected to GBO-005 that is not to be replaced. - Filter Plenum panels FP-001 and FP-002 would be replaced and the detectors would report directly to a Simplex panel already installed. - The Halon System in the Sub-basement would be replaced with smoke detectors only in the sub-floor area in room 2128. - The building 371/374 bell panels would be replaced with the bells connected to the Simplex panel already installed. - The existing Simplex Plenum panels 5 and 6 would be disconnected from the Unity System and connected to the Simplex Fiber Optics network. - Testing of the alarm device for proper alarm reporting to fire dispatch would be completed after connection to Simplex. - Surveillance procedure generation for the replacement work will be funded by the PFSR project. The performance of the surveillance procedures would be funded by the 371/374 complex and completed by Alarms Maintenance/ISS for the alarm device return to service.</p> <p>Additional items to be considered in the determination for continued work are as follows. The building 371 existing fire alarm panels are old and replacement parts are not available. Failures of these panels would require fire watch implementation, design package generation, construction and potential schedule impacts (operations terminated) to the facility for the panel replacement. Several of the fire alarm panels scheduled for replacement have impairments that would have to be corrected for proper system operation if not replaced. The building 374 fire alarm points are already operating on the Simplex system, thus two alarm monitoring systems are reporting to Fire Dispatch for the 371/374 complex. This could cause confusion in alarm response and compensatory measure implementation. The scope of work above provides work in only those building locations that have scheduled operations. The scope of work provides code compliant installation of smoke detectors in the electrical equipment rooms. The scope of work would allow for the deactivation of building fire bells upon the activation of a firewater riser alarm. The scope of work would not activate the building 371/374 fire bells for the fire telephone alarms in buildings 381 or 373 as they do today. The scope of work would provide spare parts from the replaced GBO panels that could be used in the GBO panels that are not scheduled for replacement.</p> <p>This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.</p>
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Resources	Cost Element	Quantity	Skilled	Department	Curve	Quantity	Units
A5B	CONSTRUCTION	0000	NONE	K275S	Security	1,349,500.00	Dollars
Factors	1325222 Dollars	1	Each				

1.01832 [SYS 061300] 1.018320 - target

**Report Totals:**

Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0	0	1,349,500	0	1,349,500	0	1,349,500